

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

1. (currently amended) A system for managing network resources comprising:
a network management server configured to execute a network management application
which causes the network management server to perform network management instructions
including,

sending one or more network commands to one or more network devices
connected to a network,

receiving one or more status packets from the one or more network devices in
response to the one or more network commands, and

performing an analysis of use of network resources on the one or more network
devices connected to a network using the one or more status packets,

the network management server further configured to request that a network device load
the network management application, the network device being among the one or more network
devices; and

a network device configured to download the network management application and
execute the network management application which causes the network device to perform the
network management instructions including,

sending one or more second network commands to one of the one or more
network devices,

receiving one or more second status packets from one of the one or more network
devices in response to the one or more second network commands,

performing an analysis of use of network resources on the one or more network
devices connected to a network using the one or more second status packets, and

sending results of the analysis to the network management server for use in management of the network.

~~a network device operatively connected to a network having a processor capable of downloading a task over the network, executing the task, and providing results from the task; and a network management server that requests that the network device execute a task that performs an analysis of use of network resources on one or more network devices connected to the network and receives results of the analysis from the network device for use in management of the network.~~

2. (currently amended) The system in claim 1, wherein the task network management application ~~that performs an analysis of use of network resources~~ includes operations network management instructions compatible with a network management protocol.

3. (original) The system in claim 2, wherein the network management protocol includes the simple network management protocol (SNMP).

4. (currently amended) The system in claim 1, wherein the task network management application ~~that performs an analysis of use of network resources~~ includes operations network management instructions compatible with an object-oriented programming language.

5. (currently amended) The system in claim 1, wherein the task network management application ~~that performs an analysis of use of network resources~~ includes operations network management instructions compatible with byte-codes executable on a virtual machine.

6. (original) The system in claim 5, wherein the virtual machine is compatible with the Java Virtual Machine.

7. (currently amended) The system in claim 1, wherein the task network management application ~~that performs an analysis of use of network resources~~ includes operations network management instructions compatible with the Java object-oriented programming language.

9. (currently amended) The system in claim 1, further comprising an application server device connected to the network and used to store one or more network management applications ~~tasks~~ downloadable onto the network device.

10. (currently amended) The system in claim 1, wherein the task network management application network management instructions ~~that that performs an analysis of use of network resources~~ monitors a network parameter associated with the network and notifies the network management server when the network parameter reaches a threshold level.

11. (currently amended) A computer-implemented method of distributing management of network resources on a network to network devices exchanging information over the network, comprising:

executing a network management application through a network management server to perform network management instructions including an analysis of use of network resources on one or more network devices connected to a network;

receiving a request on a network device among the one or more network devices to execute the network management application including performing a task that performs an analysis of use of network resources on one or more other network devices connected to the network;

receiving ~~an~~ the network management application at the network device over the network wherein the network management application includes ~~operations~~ the network management instructions for performing the analysis task;

processing the network management instructions ~~operations~~ on the network device that requests a network parameter from a remote network device, the remote network device being among the one or more other network devices, the network management instructions including, transmitting the request for the network parameter over the network to the remote network; and
receiving the requested network parameter over the network from the remote network device;
processing the network management instructions including performing the analysis on the network device using the network parameter; and
providing results of the analysis to the network management server in response to the request to execute the task.

12. (cancelled)

13. (currently amended) The method in claim [12] 11, wherein providing results further comprises:

notifying a the network management server when the network parameter reaches a threshold level.

14. (currently amended) The method in claim 11 wherein the ~~task~~ network management application includes ~~operations~~ network management instructions compatible with a network management protocol.

15. (original) The method in claim 14 wherein the network management protocol includes the simple network management protocol (SNMP).

16. (currently amended) The method in claim 11, wherein the ~~task~~ network management application includes ~~operations~~ network management instructions compatible with an object-oriented programming language.

17. (currently amended) The method in claim 11, wherein the ~~task~~ network management application includes ~~operations~~ network management instructions compatible with byte-codes executable on a virtual machine.

18. (original) The method in claim 16, wherein the virtual machine is compatible with the Java Virtual Machine.

C 19. (currently amended) The method in claim 11, wherein the ~~task~~ network management application includes ~~operations~~ network management instructions compatible with the Java object-oriented programming language.

20. (currently amended) The method in claim 11, wherein ~~the~~ a processor on the network device executes ~~a task~~ a network management instruction that analyzes the utilization of network resources on one or more network devices connected to the network.

21. (currently amended) The method in claim 11, further comprising an application server device connected to the network, the application server device being used to store one or more network management applications that are downloadable ~~tasks and download them~~ onto the network device.

22. (currently amended) An apparatus for distributing network management of a network to network devices, comprising:

a network management server configured to execute a network management application which causes the network management server to perform network management instructions including,

sending one or more network commands to one or more network devices connected to a network,

receiving one or more status packets from the one or more network devices in response to the one or more network commands, and

performing an analysis of use of network resources on the one or more network devices connected to a network using the one or more status packets,

the network management server further configured to request that a network device load the network management application, the network device being among the one or more network devices; and

a processor; and

a memory containing instructions when executed cause the processor to,

receive a the request on a the network device to execute a task the network management application that performs the network management instructions an analysis of use of network resources on one or more network devices connected to the network,

receive ~~an~~ the network management application over the network on the network device wherein the network management application has the instructions for performing the network management instructions including task, process operations on the network device that,

requests requesting network parameters from a remote network device, the remote network device being among the one or more network devices,

~~transmit~~ transmitting the request for the network parameter over the network to the remote network, and

~~receive~~ receiving the requested network parameter over the network from the remote network device,

processing the instruction for performing the analysis on the remote network device using the network parameter; and
providing results of the analysis to the network management server in response to the request to execute the network management instructions.

23. (currently amended) The apparatus of claim 22 wherein the memory contains additional instructions for execution on the processor that continue processing network management instructions ~~operations~~ on the network device using the network parameter, and providing [; and provide] results of the analysis in response to the request to execute the task.

24. (original) The apparatus of claim 22 wherein the memory contains additional instructions for execution on the processor and providing results of the analysis that further notify the network management server when the network parameter reaches a threshold level.

25. (currently amended) The apparatus of claim 22 wherein the processor executes network management instructions compatible with a network management protocol.

26. (original) The apparatus of claim 25 wherein the network management protocol includes the simple network management protocol (SNMP).

27. (currently amended) The apparatus of claim 22, wherein the processor executes network management instructions compatible with an object-oriented programming language.

28. (currently amended) The apparatus of claim 22, wherein the processor executes network management instructions compatible with byte-codes executable on a virtual machine.

29. (original) The apparatus of claim 28, wherein the virtual machine is compatible with the Java Virtual Machine.

30. (currently amended) The apparatus of claim 22, wherein the processor executes network management instructions compatible with the Java object-oriented programming language.

31. (currently amended) An apparatus for distributing network management of a network to network devices exchanging information over the network comprising:

means for executing a network management application through a network management server to perform network management instructions including an analysis of use of network resources on one or more network devices connected to a network;

means for receiving a request on a network device among the one or more other network devices to execute the network management application including performing a task that performs an analysis of use of network resources on one or more other network devices connected to the network;

means for receiving an the network management application at the network device over the network wherein the network management application includes the network management instructions operations for performing the analysis task;

means for processing the network management instructions operations on the network device that requests network parameters from a remote network device, the remote network device being among the one or more other network devices, the network management instructions including,

means for transmitting the request for the network parameter over the network to the remote network; and

means for receiving the requested network parameter from the remote network device over the network;

means for processing the network management instructions including performing the analysis on the network device using the network parameter; and

means for providing results of the analysis to the network management server in response to the request to execute the task.

32. (currently amended) A computer program product, for distributing network management of a network to network devices exchanging information over the network, the product comprising program code instructions to cause a processor to:

execute a network management application through a network management server to perform network management instructions including an analysis of use of network resources on one or more network devices connected to a network;

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receive a request on a network device among the one or more network devices to execute the network management application including performing a task that performs an analysis of use of network resources on one or more other network devices connected to the network;

receive an the network management application at the network device over the network wherein the network management application includes the network management instructions operations for performing the analysis task;

process the network management instructions operations on the network device that requests network parameters from a remote network device, the remote network device being among the one or more other network devices, the network management instructions including instructions to cause the processor to,

transmit the request for the network parameter over the network to the remote network; and

receive from the remote network device the requested network parameter over the network;

process the network management instructions including performing the analysis on the network device using the network parameter; and

provide results of the analysis to the network management server in response to the request to execute the task.

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33. (new) The system in claim 1, wherein the network device performing an analysis of use of network resources on the one or more network devices connected to a network reduces processing load on the network management server and frees up the network management server to perform tasks other than performing an analysis of use of network resources.

34. (new) The method in claim 11, wherein processing the network management instructions on the network device reduces processing load on the network management server and frees up the network management server to perform tasks other than performing an analysis of use of network resources.